

CLAIMS

1. Convertible vehicle (1) with a roof (2) that has a flexible roof covering (3) at least in its rear area, wherein, in the closed state, the roof covering (3) can be held under tension relative to the automobile body (7) by at least one tension bow (11), and wherein, to open the roof (2), the tension bow (11) can first be displaced upward (AS) from a closed position in which it lies on a closed supporting structure (A) of the automobile body (7), then rotated back (RS) with the supporting structure open, and then displaced downward (AV) into an open position located below the level of the closed supporting structure (A), characterized by the fact that for the upward movement (AS) and return movement (RS) of the tension bow (11), on the one hand, a first center of motion (25) is provided, and for its downward displacement (AV), on the other hand, a second center of motion that is separate from the first center of motion is provided, and during the downward displacement (AV) of the tension bow (11) about the second center of motion, its motion about the first center of motion (25) is stopped.

2. Convertible vehicle (1) in accordance with Claim 1, characterized by the fact that the movement is stopped by purely mechanical means.

3. Convertible vehicle (1) in accordance with Claim 1 or Claim 2, characterized by the fact that during its downward displacement (AV) about the second center of motion, the tension bow (11) rests on a stop (26) and does not move relative to the stop (26) during the entire downward displacement (AV).

4. Convertible vehicle (1) in accordance with any of Claims 1 to 3, characterized by the fact that during the upward movement (AS) and the return movement (RS) of the tension bow (11), movement about the second center of motion is stopped.

5. Convertible vehicle (1) in accordance with any of Claims 1 to 4, characterized by the fact that the first center of motion (25) is a pivot axis.

6. Convertible vehicle (1) in accordance with any of Claims 1 to 5, characterized by the fact that the downward displacement (AV) about the second center of motion is produced by a four-bar linkage (17; 19; 21; 24).

7. Convertible vehicle (1) in accordance with Claim 6, characterized by the fact that the four-bar linkage (17; 19; 21;

24) comprises two body-mounted joints (17; 19), one of which rotatably supports a lateral post section (18) that extends forward and upward in the direction of vehicle travel (F) when the roof (2) is closed, while the other rotatably supports a short coupling link (20).

8. Convertible vehicle (1) in accordance with Claim 7, characterized by the fact that the coupling link (20) and the roof post (18) are connected with each other by a control link (22) located between them and connected to the two parts by joints (21; 24).

9. Convertible vehicle (1) in accordance with Claim 8, characterized by the fact that the center of motion (25) for the upward movement (AS) and the return movement (RS) of the tension bow (11) is supported on the control link (22).

10. Convertible vehicle (1) in accordance with Claim 8 or Claim 9, characterized by the fact that an arm (27) that points to the rear is assigned to the control link (22) and carries a stop (26) for limiting the movement of the tension bow (11) about the first center of motion (25).

11. Convertible vehicle (1) in accordance with Claim 10, characterized by the fact that when the roof (2) is closed, the tension bow (11) is spaced some distance from the stop (26).

12. Convertible vehicle (1) in accordance with Claim 10 or 11, characterized by the fact that at least the height of the stop (26) can be adjusted.

13. Convertible vehicle (1) in accordance with any of Claims 1 to 12, characterized by the fact that in the open position of the roof (2), the tension bow (11) rests on one or more supports (15), which are held on lateral arms (14), which are connected with a roof frame (5) that holds the roof covering (3) from below before the roof frame (5) is installed on the automobile body (7).

14. Movable vehicle roof (2) for a convertible vehicle in accordance with any of Claims 1 to 13.